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QUERY CONTROL FORM		RTIS USE ONLY	
Application No.	09/909,589	Prepared by	NH
Examiner-GAU	Arana - 2859	Date	3-4-4
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|----------------------|------------------------|--------------------|----------------|
| a. Serial No. | f. Foreign Priority | k. Print Claim(s) | p. PTO-1449 |
| b. Applicant(s) | g. Disclaimer | l. Print Fig. | q. PTOL-85b |
| c. Continuing Data | h. Microfiche Appendix | m. Searched Column | r. Abstract |
| d. PCT | i. Title | n. PTO-270/328 | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed | o. PTO-892 | t. Other |

SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other**

MESSAGE

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CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
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- i. Missing Text
- j. Duplicate Text
- k. Other

Thank you

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RESPONSE

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proper cutout for each field in the therapy. This is not only inefficient, but it effectively precludes the delivery of treatments which require electron field modulation in both intensity and energy at a single gantry position.

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3-22-04*

As described in co-pending and commonly assigned U.S. Patent Application Serial Nos. 09/910526, and 09/909513 (referenced above), Applicants have developed a radiation therapy device, verification approach, and electron collimator which overcome many of these difficulties associated with delivery of both electron and photon beams from 10 a single radiation therapy device.

It would be desirable to provide a system and method for automating the delivery of treatment fields. In particular, it would be desirable to provide a system and method of delivering treatment fields in a 15 radiation therapy device having the ability to deliver both primary photon and primary electron fields.

SUMMARY OF THE INVENTION

20 To alleviate the problems inherent in the prior art, and to allow the accurate, efficient and effective delivery of photon, electron, and mixed beam radiation therapy, embodiments of the present invention provide a system and method for the automated delivery of treatment fields.

25 According to one embodiment of the present invention, a system, method, apparatus, and means for delivering treatment fields includes identifying a sequence group. A type of radiation to be applied in a first field of the sequence group is identified. The type of radiation is selected from among primary photon radiation and primary electron radiation. A 30 radiation therapy treatment device is configured, based at least in part on the type of radiation. The first field is then delivered. In some embodiments, a determination is made whether the sequence group is to